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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Aronson *et al.*

Confirmation No.: 1626

Serial No. 10/713,752

Group Art Unit: 2633

Filed: November 13, 2003

Examiner: Leung, Christina Y.

For: *System and Method for Protecting Eye Safety During Operation of a Fiber Optic Transceiver* Attorney Docket No.: 060900-0208-US

AMENDMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Please enter the following new claims into the file of the above identified application.

Pursuant to the ultimate paragraph of this amendment, the Commissioner is authorized to charge any required fees to Morgan, Lewis & Bockius LLP Deposit Account No. 50-0310 (order No. 060900-0208-US).

03/11/2005 AMONDAF1 00000149 500310 10713752

01 FC:1201 400.00 DA  
02 FC:1202 200.00 DA

AMENDMENTS

*Do not enter  
8-28-05*

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Original) A fiber optic transceiver with safety features, comprising:  
a laser transmitter;  
a photodiode receiver; and  
a controller,  
wherein the controller comprises:  
a memory, including one or more memory arrays, configured to store digital equivalents of predetermined setpoints;  
communication circuitry configured to receive an input signal associated with operation of said fiber optic transceiver;  
comparison logic configured to compare said input signal to at least one of said predetermined setpoints and to generate an alarm flag if said input signal conflicts with said setpoint, wherein the alarm flag is stored in a predefined location in the memory;  
an interface for allowing a host to read from and write to host-specified locations within the memory, including the predefined location storing the alarm flag; and  
operation disable circuitry configured to disable operation of said fiber optic transceiver in response to a signal, wherein the signal is based on said alarm flag.
2. (Previously Presented) The fiber optic transceiver of claim 1, wherein the controller further comprises conversion circuitry for converting the input signal from analog to digital, wherein the digital input signal is a 16-bit number.
3. (Original) The fiber optic transceiver of claim 1, wherein the digital equivalents are 16-bit numbers.
4. (Original) The fiber optic transceiver of claim 1, wherein the operation disable circuitry is responsive to a software operation.
5. (Original) The fiber optic transceiver of claim 1, wherein the operation disable circuitry disables operation of the fiber optic transceiver in response to a signal sent to a disable pin in the fiber optic transceiver.